

KJPC12-150C (12V150Ah)

TECHNICAL SPECIFICATIONS

Nominal voltage	12V	
Nominal capacity	150Ah	
Design life	15 years	
Terminal	M8	
Approx weight	47.0kg	
Container material	ABS	
Dimensions (mm)	Length	484
	Width	170
	Height	241
	Total height	241
Capacity	150.0Ah	10hr (15.0A - 10.8V)
	122Ah	3hr (40.7A - 10.8V)
	99.2Ah	1hr (99.2A - 10.5V)
Internal resistance	Full charged at 25°C: 3.30 mΩ	
Max. discharge current	1800A (5S)	
Operating temp. range	Discharge: -20 ~60°C	
	Charge: -20 ~50°C	
	Storage: -20 ~50°C	
Charge method (25°C)	Charge current	Max. 45.0A; Recom. 15.0A ~ 30.0A
	Float Charge	13.5-13.8V, recom. 13.8V (-18mV/°C)
	Equalize charge	13.8-14.1V, recom. 14.1V (-24mV/°C)
	Cycle charge	14.4-15.0V, recom. 14.7V (-30mV/°C)
Self discharge	3% of capacity declined per month at 25°C	

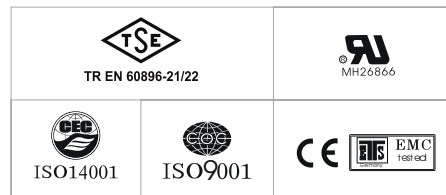


GENERAL FEATURES

- Lead-carbon composite negative plate, both capacitance and battery characteristics
- Long cycle life, excellent deep cycle discharge ability
- Excellent charge acceptance ability
- Optimized capability of instant high-current discharging
- Strong high and low temperature performance
- Precision sealing technology

APPLICATIONS

- Solar/ wind energy and other new energy storage
- Hybrid vehicles, electric bicycles and other new energy vehicles
- Other backup or cycle purposes



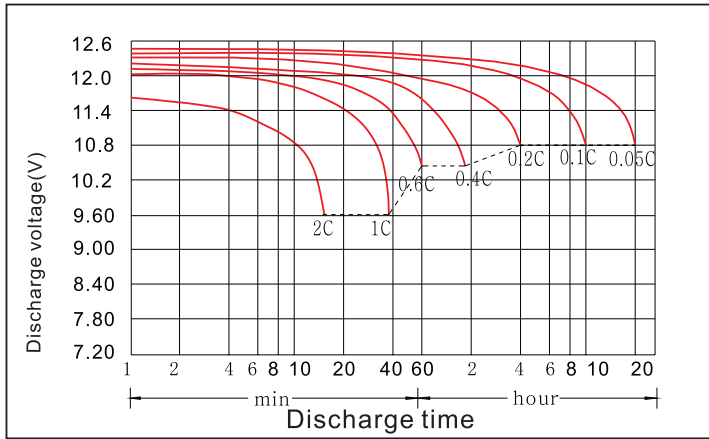
CONSTANT CURRENT DISCHARGE (Amperes) at 25°C

F.V/Time	5min	15min	30min	1hr	2hr	3hr	5hr	8hr	10hr	20hr
1.85V	369	221	147	89.6	53.0	38.3	25.5	17.4	14.7	7.97
1.80V	414	248	162	96.6	55.8	40.7	26.9	18.2	15.0	8.10
1.75V	462	266	168	99.2	56.9	41.0	27.6	18.3	15.3	8.15
1.70V	503	275	170	101	57.8	41.4	27.9	18.5	15.5	8.18
1.65V	522	281	173	101	58.2	42.0	28.2	18.6	15.6	8.22
1.60V	539	290	176	102	58.5	42.5	28.5	18.8	15.8	8.27

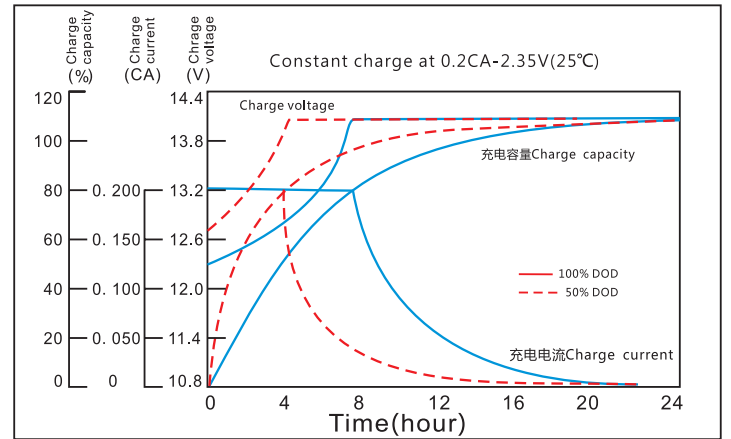
CONSTANT POWER DISCHARGE (Watts/cell) at 25°C

F.V/Time	5min	15min	30min	1hr	2hr	3hr	5hr	8hr	10hr	20hr
1.85V	662	416	282	174	104	74.7	50.1	34.2	28.7	15.9
1.80V	741	465	308	188	109	78.6	52.4	35.3	29.1	16.1
1.75V	807	492	315	189	109	78.9	53.0	35.6	29.4	16.2
1.70V	866	495	317	191	110	79.4	53.3	35.9	29.7	16.2
1.65V	870	501	317	192	110	79.8	53.7	36.0	30.0	16.4
1.60V	905	510	320	194	111	80.7	54.0	36.3	30.3	16.4

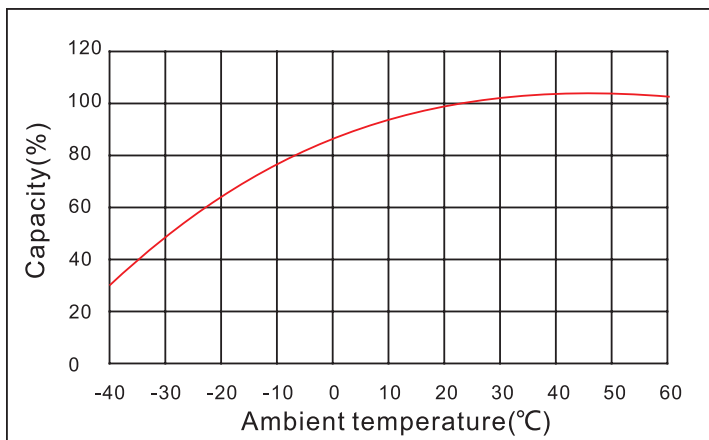
Discharge characteristic



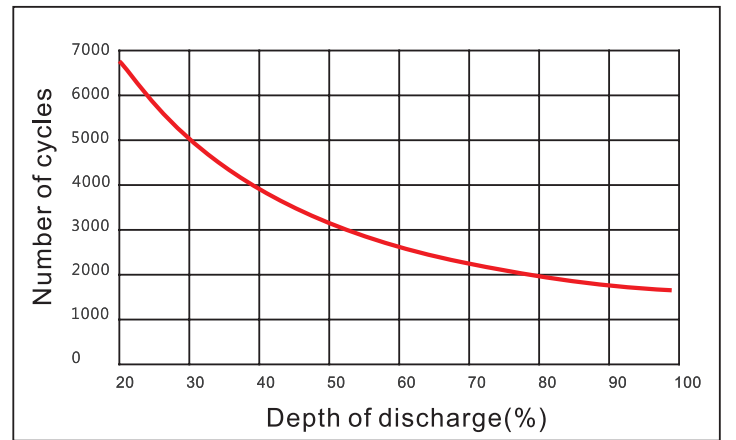
Charging characteristic



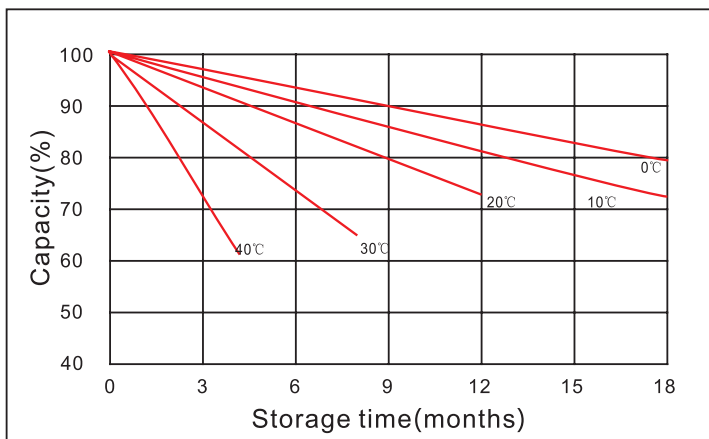
The effect of temperature on capacity



The effect of discharge depth on cycle life



Curves of self-discharge



The effect of discharge depth on cycle life

